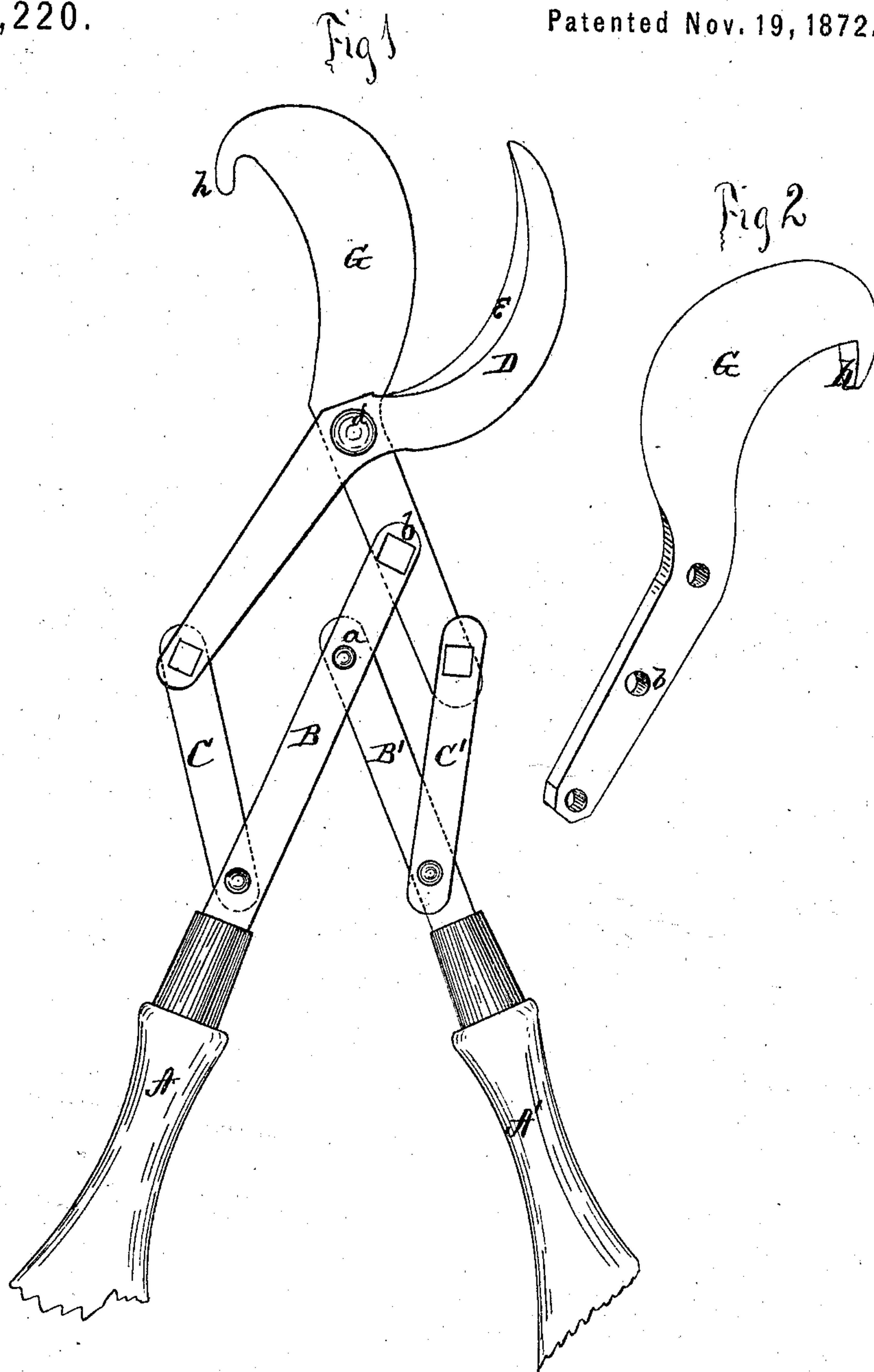


P. M. GILBERT.

Improvement in Pruning Shears.

No. 133,220.

Patented Nov. 19, 1872.



Witnesses:

Francis L. Curand
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UNITED STATES PATENT OFFICE.

PHILO M. GILBERT, OF CAMANCHE, IOWA.

IMPROVEMENT IN PRUNING-SHEARS.

Specification forming part of Letters Patent No. **133,220**, dated November 19, 1872.

To all whom it may concern:

Be it known that I, PHILO M. GILBERT, of Camanche, in the county of Clinton and in the State of Iowa, have invented certain new and useful Improvements in Pruning-Shears; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a pruning-shear, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of my pruning-shear, and Fig. 2 is a perspective of the cutting-blade.

A A' represent the handles of my pruning-shears, to which are attached the levers B B', respectively, the outer end of the lever B' being pivoted to the lever B at *a*. The levers B B' have, at or near their inner ends, levers C C' pivoted to them, respectively, the outer ends of these latter levers being pivoted, respectively, to the shanks of the jaw D and cutting-blade G, these two being pivoted together at *d*. The outer end of the lever B is also pivoted at *b* to the shank of the cutting-

blade G. The jaw D, instead of being square where the limb is to rest, is made with a cutting-edge, *e*, or beveled to a cutting-edge, thereby holding the limb firmly, not allowing it to slip, which a square edge will not do. At the outer end of the cutting-blade G is a small cutting-hook, *h*, for use in cutting out water-sprouts and small shrubbery.

The combination of levers described makes the shears very effective, allows of a wider expansion of the jaws with a less expanse of the handles, and allows of the attachment of longer knives in trimming hedge.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the levers B B' and C C' with the handles, jaw, and cutting-blade of a pruning-shear, substantially as and for the purposes herein set forth.

2. The combination of the handles A A', levers B B' and C C', jaw D, with cutting-edge *e*, and cutting-blade G with cutting-hook *h*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of April, 1872.

PHILO M. GILBERT.

Witnesses:

C. L. EVERT,
W. H. TALLMAN.